



Otology, Neurotology, &  
Skull Base Surgery

**AREAS OF EXPERTISE:**

- **Skull base surgery**
- **Acoustic neuroma (vestibular schwannomas)**
- **Cholesteatoma**
- **Chronic ear disorders**
- **Chronic ear surgery**
- **Chronic otitis media**
- **Cochlear implants**
- **Meniere's disease**
- **Otosclerosis**
- **Hearing loss**
- **Vestibular disorders**

## Courtney C.J. Voelker, MD, PhD

### Assistant Professor, Clinical Otolaryngology – Head and Neck Surgery

USC Tina and Rick Caruso Department of Otolaryngology –  
Head and Neck Surgery  
Keck School of Medicine of USC

Courtney Voelker, MD, PhD, is a Rhodes Scholar and board certified neurotologist. She is Division Chief of Otology, Neurotology and Skull Base Surgery and Director of the Pediatric Cochlear Implant Program. Dr. Voelker has conducted cutting-edge research on the physiology and diseases of the inner ear at Brown University, the University of Oxford, Washington University in St. Louis, and the National Institutes of Health (NIH).

Dr. Voelker's clinic interests include chronic ear disease, otosclerosis, cochlear implantation (adult and pediatric), vestibular disorders, skull base tumors including acoustic neuromas, meningiomas, and glomus tumors. Her research interests include studying inner ear structure and function, and how that knowledge translates into treatments for patients with hearing and balance problems.

Dr. Voelker has authored numerous research publications and textbook chapters in her field. She is a member of the American Academy of Otolaryngology – Head and Neck Surgery. Dr. Voelker is committed to offering high quality, compassionate care to patients in her clinic, while pursuing scientific advancements in the field.

Dr. Voelker graduated with Honors from Brown University, and earned her medical degree from The Warren Alpert Medical School of Brown University. As a Rhodes Scholar she earned her PhD from the University of Oxford in developmental neurobiology. She completed her residency in Otolaryngology – Head and Neck Surgery at Washington University (Barnes-Jewish Hospital) in St. Louis and her fellowship at the world renowned House Clinic in Los Angeles.

To make an appointment or refer a patient, call  
**(800) USC-CARE**

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## PROFESSIONAL SOCIETY MEMBERSHIPS AND HONORS

- American Academy of Otolaryngology-Head and Neck Surgery
- American Neurotology Society
- Association for Research in Otolaryngology

## EDUCATION

- ScB (with Honors), Neuroscience, Brown University
- MD, Warren Alpert Medical School of Brown University
- PhD (Rhodes Scholar), University of Oxford

## RESIDENCY

- Otolaryngology-Head and Neck Surgery, Washington University (Barnes-Jewish Hospital)

## FELLOWSHIPS

- Otology, Neurotology, and Skull Base Surgery, House Clinic in Los Angeles

## RESEARCH INTERESTS

- Inner ear structure and function
- Translational treatment for hearing and balance pathologies

## OTOLARYNGOLOGY – HEAD AND NECK SURGERY OVERVIEW:

The USC Tina and Rick Caruso Department of Otolaryngology – Head and Neck Surgery at Keck Medicine of USC is nationally recognized for its clinical expertise and research in the treatment of the ear, nose, throat and related diseases of the head and neck and paranasal sinuses. As one of the largest, most comprehensive otolaryngology programs in Southern California, Keck Medicine's board-certified specialists treat all subspecialty areas and perform complex surgical resections and reconstructions using robots and computer guidance — offering the most advanced and minimally invasive treatments available for cancers of the head and neck and tumors of the skull. The department also offers a full range of services addressing sleep, voice, sinus and balance disorders. A multispecialty team addresses difficulties related to speech and hearing; including highly specialized treatment for infants, children and young adults with hearing loss and related language impairments through the USC Caruso Family Center for Childhood Communication.

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